Amendment to the Specification:

Applicant presents replacement paragraphs below indicating the changes with insertions indicated by underlining and deletions indicated by strikeouts and/or double bracketing.

Please replace the paragraph beginning at page 1 line 5 which starts with "This application is related to," with:

This application is related to co-pending application by Papaefstathiou, U.S. patent application (serial number ~~not yet assigned~~ 09/632,522), filed August 4, 2000, entitled: "A METHOD AND SYSTEM FOR PREDICTING COMMUNICATION DELAYS OF DETAILED APPLICATION WORKLOADS," and now issued August 2, 2005, as U.S. Patent No. 6,925,431 and that is explicitly incorporated herein by reference in its entirety, including any appendices and references therein.

Please replace the paragraph beginning at page 10 line 25 which starts with "The drives and their associated computer storage media," with:

The drives and their associated computer storage media discussed above and illustrated in Figure 1, provide storage of computer readable instructions, data structures, program modules and other data for the computer 110. In Figure 1, for example, hard disk drive 141 is illustrated as storing operating system 144, application programs 145, other program modules 146, and program data 147. Note that these components can either be the same as or different from operating system 134, application programs 135, other program modules 136, and program data 137. Operating system 144, application programs 145, other program modules 146, and program data 147 are given different numbers here to illustrate that, at a minimum, they are different copies. A user may enter commands and information into the

computer [[20]] 110 through input devices such as a keyboard 162 and pointing device 161, commonly referred to as a mouse, trackball or touch pad. Other input devices (not shown) may include a microphone, joystick, game pad, satellite dish, scanner, or the like. These and other input devices are often connected to the processing unit 120 through a user input interface 160 that is coupled to the system bus, but may be connected by other interface and bus structures, such as a parallel port, game port or a universal serial bus (USB). A monitor 191 or other type of display device is also connected to the system bus 121 via an interface, such as a video interface 190. In addition to the monitor, computers may also include other peripheral output devices such as speakers 197 and printer 196, which may be connected through a output peripheral interface 190.

Please replace the paragraph beginning at page 21 line 26 which starts with "The above XML script specifies" with:

The above XML script specifies a sixteen-node PC cluster interconnected by means of a Myrinet System Area Network. A "computer" tag defines the PC nodes and configures/defines a CPU hardware model by defining the cost of C language operations using the "clc" tag. Similarly a "network" tag defines the Myrinet network model. In this particular case a communication contention model "CCMOD" is configured. The functional organization and method steps for generating CCMOD hardware models is set forth, by way of example, in Papaefstathiou, U.S. patent application (serial number ~~not yet assigned~~ 09/632,522), filed August 4, 2000, entitled: "A METHOD AND SYSTEM FOR PREDICTING COMMUNICATION DELAYS OF DETAILED APPLICATION WORKLOADS," and now issued August 2, 2005, as U.S. Patent No. 6,925,431 and explicitly incorporated herein in its entirety.

Type of Response: Amendment
Application Number: 09/635,521
Attorney Docket Number: 150937.02
Filing Date: 08/04/2000

Please replace the paragraph beginning at page 21 line 40 which starts with "Turning now to FIG. 4" with:

Turning now to FIG. 4, a diagram schematically depicts process flow in an example system embodying the performance technology infrastructure of Fig. 2. Initially a workload specification 300, comprising a set of device RUDs specifying the operation of a modeled software system, is processed in accordance with a workload specification library 200 to render a series of device usage scenarios and their associated device RUDs 300 that are passed, in the form of events (referred to herein as "device RUD events"), to the evaluation engine 202. A dispatcher 302 within the evaluation engine 202 distributes events 306 corresponding to the received device RUD events to an event processor first stage 304. The event processor first stage 304 constructs an event list for each device utilized by the modeled software system. An event provided by the workload specification ~~library~~ 300 represents a single request of device usage. The event processor first stage 304 can spawn new events based on the single workload event in order to resolve event interactions. An example is a synchronous communication that takes place between two processors. The workload event corresponds to the send message request from the source processor. The event processor will create an additional event to characterize the receive event that takes place in the target processor.